

Date: Fri, 1 Jul 94 12:04:59 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #730
To: Info-Hams

Info-Hams Digest Fri, 1 Jul 94 Volume 94 : Issue 730

Today's Topics:

 * SpaceNews 04-Jul-94 *
 ARLD038 DX news
 ARLX018 Eastern VHF/UHF meet
 ARLX019 Video's a winner
 Call-Sign Prefixes
 Conversion factors
 Help with No Scratch mag mount
 Newbie license question -- change of address
 Novice on-air CW practice
 Open Line Sunday!
 QST H/Brew Isoloop
 WANTED: 2m or 440 X-miter & antenna
 Wanted: Novice on-air CW practice
 Where is the best place to install a low pass filter?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 1 Jul 94 14:10:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: * SpaceNews 04-Jul-94 *
To: info-hams@ucsd.edu

SB NEWS @ AMSAT \$SPC0704
* SpaceNews 04-Jul-94 *

BID: \$SPC0704

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SpaceNews
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MONDAY JULY 4, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* SHUTTLE LAUNCH UPDATE *

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MISSION: STS-65 - INTERNATIONAL MICROGRAVITY LABORATORY - 2

% VEHICLE: Columbia/OV-102	ORBITAL ALTITUDE: 184 sm
% LOCATION: Pad 39A	INCLINATION: 28.45 degrees
% LAUNCH DATE: July 8, 1994	CREW SIZE: 7
% LAUNCH TIME: 12:43 p.m. EDT	LAUNCH WINDOW: 2 hrs/30 min
% KSC LANDING DATE/TIME: July 22/6:43 a.m. EDT	
% MISSION DURATION: 13 days/18 hours	

[Info via NASA]

* HOUSTON AMSAT NET INFO *

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The Houston AMSAT Net originates live from Houston, Texas on Tuesdays at 10:00 PM Central Time on 147.100 MHz. It is simulcast on the Galaxy 3 satellite, transponder 17, on a 5.8 MHz audio subcarrier and is available for distribution among amateur repeater stations around the country. The net is of a technical nature for those interested in satellite, ATV and balloon launch communications. AMSAT News Bulletins, SpaceNews, NASA news, Hints & Tips on working satellites and much more is available every week on the net.

The following amateur operators carry the Houston AMSAT Net live or rebroadcast it at a more convenient time on their stations. If your local repeater does not carry our net, ask the trustee if they would.

NETARC - New England	
WA1PBJ 448.225 - 88.5	Sargents Pur, NH (White Mountains)
WA1PBJ 446.575 - 88.5	Boston, MA
KC1HF 448.225 - 88.5	Framingham, MA

WA1PBJ	442.000 + 88.5	Fitchburg, MA
K1MON	442.600 + 88.5	Portland, ME

Southern Wisconsin Repeater Group

N9KAN	443.400	Madison, WI
KD9UU	443.675	North Freedom, WI
AA9AD	53.090	Fort Atkinson, WI

Other Repeaters and Frequencies (Alphabetized by State then City)

NL7H	147.000		Anchorage, AK
KL7FZ	444.950		Anchorage, AK
WL7AML	439.250		Kodiak, AK Audio on ATV Repeater
N06B	224.040		Pasadena, CA
N6DD	447.650		Upland, CA
WA4HX	146.880		Lakeworth, FL (West Palm Beach Area)
AJ1R	145.230		Tampa, FL
AJ1R	443.625	103.5	Tampa, FL
WB9YCZ	147.390		Noblesville, IN (N. Indianapolis)
WB9YCZ	444.125		Noblesville, IN (N. Indianapolis)
N0PMZ	146.570	Simplex	Garden City, KS
KA0PQW	223.940		Chaska, MN (Minneapolis/St. Paul Area)
WB0BWL	145.210		Columbia Heights, MN (Minneapolis Area)
WA0RCR	1.860	160 Mtrs	Wentzville, MO
WA0ZOK	146.715		Horace, ND
	443.750		Horace, ND
KB7BY	1.2GHz	ATV Repeater	Las Vegas, NV
KD8XB	146.805		Lisbon, OH
W0KIE	88.5 FM		Tulsa, OK (Tulsa Cablevision)
VE3SF	145.230		Toronto, Ontario Canada

This list was compiled by Marty Smith, WD5DZC, and Bruce Paige, KB5ZRV.
Check-ins, questions, or comments can be handled during the net by calling
either Marty or Bruce at:

Marty Smith, WD5DZC : (713) 467-9870

Bruce Paige, KB5ZRV : (713) 933-0488

Net suggestions, corrections, and additions can be made after the net by
contacting Marty Smith at the number listed above and leaving a voice mail
message, or by contacting Bruce via his packet radio address, KB5ZRV@F6CNB,
or his Internet address, kb5zrv@amsat.org.

Feel free to contact either Marty or Bruce if you are repeating the Houston
AMSAT Net and are not included in the list above.

[Info via Bruce, KB5ZRV]

* APT SATELLITE REPORT *

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The following observations were made from a station in Germany located at 50.7 degrees North Latitude, 7.1 degrees East Longitude on 19-Jun-94:

NOAA-9: APT 137.62 MHz On
NOAA-10: APT 137.50 MHz On
NOAA-11: APT 137.62 MHz On
NOAA-12: APT 137.50 MHz On
Meteor 2-21: APT 137.85 MHz On
Meteor 3-5: APT 137.85 MHz On again

Vis-APT of Meteor 3-5 is active again, transmitting good images from afternoon ascending orbits. Meteor 2-21 (the weak APT-transmitter) is drifting towards early morning.

[Info via Peter Henne]

* THANKS! *

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Thanks to all those who sent messages of appreciation to SpaceNews, especially:

IW1CXZ N2OWO N2XWF ZL3AHW KC5DVU ZR5JRB K8EF N9LTD
Chris Rowan, Todd Whitmore

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107
PACKET : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD
 Department of Engineering and Technology
 Advanced Technology Center
 Brookdale Community College
 Lincroft, New Jersey 07738
 U.S.A.

<<= SpaceNews: The first amateur newsletter read in space! -=>>

/EX

--

John A. Magliacane, KD2BD * /\ * Voice : 1-908-224-2948
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |/\| Internet: magliaco@pilot.njin.net
Lincroft, NJ 07738 * /\ * Morse : -.- -.. ..--- -... -..

Date: Thu, 30 Jun 1994 21:23:46 EDT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
sundog.tiac.net!usenet.elf.com!rpi!psinntp!arrl.org!usenet@network.ucsd.edu
Subject: ARLD038 DX news
To: info-hams@ucsd.edu

SB DX @ ARL \$ARLD038
ARLD038 DX news

ZCZC AE36
QST de W1AW
DX Bulletin 38 ARLD038

Date: Thu, 30 Jun 1994 21:21:08 EDT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!sundog.tiac.net!
usenet.elf.com!rpi!psinntp!arrl.org!usenet@network.ucsd.edu
Subject: ARLX018 Eastern VHF/UHF meet
To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX018
ARLX018 Eastern VHF/UHF meet

ZCZC AX50
QST de W1AW
Special Bulletin 18 ARLX018

Date: Thu, 30 Jun 1994 21:22:02 EDT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
sundog.tiac.net!usenet.elf.com!rpi!psinntp!arrl.org!usenet@network.ucsd.edu
Subject: ARLX019 Video's a winner
To: info-hams@ucsd.edu

SB SPCL @ ARL \$ARLX019
ARLX019 Video's a winner

ZCZC AX51
QST de W1AW
Special Bulletin 19 ARLX019

Date: Fri, 01 Jul 94 11:29:43 -0700 (PDT)
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!sol.ctr.columbia.edu!
deep.rsoft.bc.ca!mindlink.bc.ca!a10897@network.ucsd.edu
Subject: Call-Sign Prefixes
To: info-hams@ucsd.edu

I am going to be travelling through the U.S. this summer, and I already posted a message asking whether my Canadian Amateur license is good in the U.S. as well, to which the answer was Yes. Apparently I have to identify myself with my callsign followed by the prefix followed by "\ <and then the prefix of the area that I'm in" How do I know what the prefix should be? The ARRL handbook just says that the U.S. callsign prefixes are between "WAA-WZZ"!

Graham

Date: 1 Jul 94 18:08:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: Conversion factors
To: info-hams@ucsd.edu

Doug Hamilton KD1UJ writes:

> Subject: Temp. Conversion Chart: F & C?
> To: info-hams@ucsd.edu

> While we're on the topic of conversions, can someone help me
> out with some others that have been really boggling me?

> MHz to KHz
> Feet to Inches
> Dollars to Cents

> Also, what is that stuff that collects in your belly button
> called?

Converting inches to feet is simple, Doug.

1. Determine how many inches you want to convert to feet. For example, 24. Assign that to the variable, "I".

2. Determine how many toes are on the value you want to convert: feet.

Assuming normality, for example, you might choose 10. Assign that to the variable "T".

3. You already know the factor for converting frequencies to antenna lengths, 468, since that was on the ham radio license test. Assign that to the variable "C". [Note - this project may be too difficult for Novice licensees.]

4. Insert the arbitrary constant 56160 to variable "V".

5. Compute the number of feet (F) by the formula:
$$I \times T \times C / V = F$$

Converting feet to inches is left as an exercise for the stupi^H^H^H^H student.

See how easy the English system is, vs metric?

I'm still working on simple formulas to help you on the other conversions. Metrics are harder.

Paul Marsh up to his gills in a pint NOZAU Omaha
pmarsh@metro.mccneb.edu

Date: 1 Jul 1994 10:21:03 -0400
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!convex!news.duke.edu!solaris.cc.vt.edu!
news.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!not-for-
mail@network.ucsd.edu
Subject: Help with No Scratch mag mount
To: info-hams@ucsd.edu

Jeff Kashinsky (jeff@sec.sel.sony.com) wrote:
: I have a Larsen NMO mag mount and the plastic on the bottom is
ripped. The
: magnet has started scratching the car paint.

: Suggestions of what to use to replace the plastic would be
appreciated.

My choice is the self-adhesive felt that is normally used to put under lamps and things to avoid scratching furniture. This stuff is cheap and available at any full-line drug store or hardware store. While this stuff is much thicker than an acetate sheet, I've rarely had problems with a Larsen mag mount & antenna blowing off--if anytime, usually by a semi passing in the opposite direction on a two-lane road when we're both doing about 60...I mean 55, and when

we're both a bit too close to each other (and the antenna is on the left rear). After a rain or two, the felt mushes down, making for better magnetic hold.

Danny Goodman AE9F/6

Date: Fri, 1 Jul 1994 13:05:03 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!zombie.ncsc.mil!blackbird.afit.af.mil!fkilpatr@network.ucsd.edu
Subject: Newbie license question -- change of address
To: info-hams@ucsd.edu

I recently took my tech exam (May 16), and I'm now waiting the long four months for my license. However, I moved this week, and I'm not sure if I should file a change of address with the FCC, or if I should just wait for the normal Post Office forwarding. Can anyone give me any guidance?

Thanks
Alex

--
Alex Kilpatrick fkilpatr@afit.af.mil
"If a kid asks where rain comes from, I think a cute thing to tell him is 'God is crying.' And if he asks why God is crying, another cute thing to tell him is 'Probably because of something you did.' -- Jack Handey

Date: Fri, 1 Jul 1994 17:44:55 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!msadams@network.ucsd.edu
Subject: Novice on-air CW practice
To: info-hams@ucsd.edu

brunelli_pc@delphi.com wrote:
: Michael,
:
: are you lookig for a sked, or freq's for ARRL code practice?
:
: pete, n1qdq

Pete,

No, unfortunately my news reader deleted the body of this message as I was posting it. I am just looking for some people who are as apprehensive about code as I am who would like to do some on-air HF code

practice together. I live in Los Angeles, and have an antenna for the 40, 15 and 10M bands, although some of the people who responded on the net said I should check out the 80M novice band.

Michael Adams
KE6B00

--

msadams@netcom.com

Date: Fri, 1 Jul 1994 09:03:11
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news2.sprintlink.net!
news.sprintlink.net!indirect.com!s146.phxslip.indirect.com!
lenwink@network.ucsd.edu
Subject: Open Line Sunday!
To: info-hams@ucsd.edu

This Sunday, July 3, Ham Radio & More has open lines all hour. Call in and talk about whatever interests you in amateur radio. Whether you want to discuss a particular new FCC regulation or how to get a license or tell us how field day went with you, or what's your opinion on slow code, no code, etc., give Ham Radio & More a call this Sunday from 6 to 7pm EST on the Talk America Network in 22 cities and via satellite on spacenet 3, transponder 9, 6.8 audio. The toll free call-in number is 1-800-298-talk. Call 602-241-1510 for more information.

73,

Len, KB7LPW

PS Ham Radio & More is giving away a \$100.00 gift certificate as well as magazine subscriptions this week.

Date: Fri, 1 Jul 1994 15:52:51 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!
saimiri.prima.wisc.edu!news.crd.ge.com!crd.ge.com!mallick@network.ucsd.edu
Subject: QST H/Brew Iso loop
To: info-hams@ucsd.edu

In article <1994Jun29.175509.29439@ccd.harris.com>, drs@ccd.harris.com (Doug Snowden) writes:

|> Andy Domonkos (domonkos@access.digex.net) wrote:
|> : Anyone build the QST loop antenna from the May 94 issue? I understand
|> : it can be resized for 40M. Anyone do that yet?
|>

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|> : Andy N3LCW
|>
|> I built a 40 meter loop a few years ago. If you want to experiment with this
|> sort of thing, I suggest you get a copy of Ted Hart (W5QJR) book about
|> small high efficiency loop antennas. He came out with the book several years
|> ago. I would guess that he did a lot of the research, experimentation and
|> documentation that AEA (Isoloop) and others are now marketing. The QST article
|> is just a variation of W5QJR's ideas. I didn't read the whole article, but
|> I don't think the importance of low loss in the variable capacitor was
stressed.
|> W5QJR went so far as to sell a capacitor that was made out of copper plates
|> with all the parts silver soldered together for low loss.
|>
|> 73's Doug, N4IJ
|>
|> --
|>
|> -----
|> |           Doug Snowden           |
|> |           N4IJ                   |
|> | email: drs@ccd.harris.com |
|> |-----|
|>

```

I'll second your comments. Hart's book is pretty good and points out what is important about building and using small loops. I took the relevant equations out of the book and programmed up a TK!Solver spreadsheet (you could do the same with MathCad or even Lotus) so I could fiddle with different designs. I never did get Hart's gamma match scheme to work, so I am now fiddling with the small coupling loop idea. I'm using a small vacuum variable cap I purchased from Surplus Sales of Nebraska to minimize capacitor losses.

--

```

.....
John A. Mallick WA1HNL           E-mail: mallick@crd.ge.com
GE Corporate Research and Development   Phone: (518)-387-7667 (W)
Schenectady, NY 12301             FAX:   (518)-387-6560 (W)
.....

```

"Work like hell. Tell everyone everything you know. Close a deal with a handshake. And have fun." --- "Doc" Edgerton

Date: 1 Jul 1994 15:39:47 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!news.utdallas.edu!
rdxsunhost.aud.alcatel.com!aur.alcatel.com!aurxc7.aur.alcatel.com!
ghoda@network.ucsd.edu
Subject: WANTED: 2m or 440 X-miter & antenna

To: info-hams@ucsd.edu

Hi I am looking for a fairly cheep 2meter or 440 X-mit/Rec. which runs on at least 12watts. I'll be using it at all times for a repeater/phonepatch I am trying to construct. I also need a good dual band antenna for my hand held and another antenna for the phonepatch. Please reply to: ghoda@aurxc7.aur.alcatel.com

Thanks...

Date: Fri, 1 Jul 1994 17:49:08 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
msadams@network.ucsd.edu
Subject: Wanted: Novice on-air CW practice
To: info-hams@ucsd.edu

Richard Spear (rspear@sookit) wrote:

: michael - i also live in the la area and am a tech+ ... while i'd be happy
: to set up a sched with you and others, i think that you will find that if
: you call cq people out there will reply at your speed ... also, in most
: cases if you respond to a cq the person at the other end ofthe call will
: adjust to your speed. bear in mind that you will run into a few jerks, but
: they are really rare.

: if you are still interested in setting up a sched, let me know.

: regards, richard kd6lwd

: rspear@sookit.jpl.nasa.gov
: all disclaimers apply

Richard,

Thanks for your offer. I'll see how it goes, and get back to you if things do not seem to work out.

73 de Michael, KE6B00

--

msadams@netcom.com

Date: 1 Jul 1994 17:22:38 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.msfc.nasa.gov!
sims@network.ucsd.edu
Subject: Where is the best place to install a low pass filter?
To: info-hams@ucsd.edu

tom_boza@ccm.hf.intel.com writes:

>Can someone tell me where the best place is to install my
>Drake 1KW low pass filter?

- > 1) Between my HF transceiver and my 1KW RF amp
- > 2) Between my 1 KW RF amp and my 1KW antenna tuner
- > 3) Between my 1KW antenna tuner and my antenna
- > 4) Sell it at the next ham fest
- > 5) Anywhere after the transceiver

>Thanks, 73s Tom WB7ASR...

>tom_boza@ccm.hf.intel.com

The answer is 1. The reason is as follows:

The transceiver is solid state and thus generates the most harmonics due to non-linear characteristics (this applies to all amplifiers). So if the filter is between the rig and amp the harmonics from the rig will be attenuated and thus not have any chance to be amplified by the amp.

The second reason is (assuming a tube amp) that the amplifier basically has a matching network on both the input and output of the amplifier, what you are doing when you tune the amplifier is matching the output impedance of the tubes (the amplifier) to the antenna (50 ohms). Since this tuning process has a small operating range (also known as bandwidth) the harmonics never make it out of the amplifier.

Hope this helps.

Herb

W. Herb Sims
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sims@avdms8.msfc.nasa.gov
Voice (205) 544 8581
FAX (205) 544 7499

Date: (null)
From: (null)

Date: (null)
From: (null)

Date: (null)
From: (null)

End of Info-Hams Digest V94 #730
